

ABSTRACT

A self-contained hinge assembly for use in a flip device of the type having a main part and a flip part that are joined to permit opening and closing of the flip part, wherein the hinge assembly includes a cam having a biasing surface, a cam follower operationally associated the biasing surface, a biasing member for urging the cam and cam follower together and having a longitudinal axis oriented in a first direction extending from underneath the cam follower surface, a housing for closely holding at least the cam and the cam follower, and a rotatable key member operably associated with and extending from an end portion of the cam and out of the housing in a second direction that is generally perpendicular to the first direction, the key member configured to engage the flip part of the flip device.